

**PUSH/PULL CLIP FEED CONFIGURATION FOR SELECTIVELY
DELIVERING OR WITHDRAWING A CLIP TO ALLOW OUTPUT OF ONE
CLIP ALONE OR TWO CLIPS CONCURRENTLY AND ASSOCIATED
DEVICES, METHODS, SYSTEMS AND COMPUTER PROGRAM
PRODUCTS**

Abstract of the Disclosure

Methods and apparatus for supplying a clip to a clip window associated with a closure attachment mechanism having a closure punch path for attaching a single clip or two clips to a target tubular work piece in a closure zone include: (a) forcing a
5 plurality of clips to travel in a first predetermined clip travel path having a forward direction toward a first punch path in a closure zone at a first point in time; (b) selectively retracting the plurality of clips so that the clips travel in a reverse direction along the first predetermined clip travel path; and then (c) forcing the plurality of clips to again travel in the forward direction along the first predetermined clip travel path at
10 a second point in time.